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DD/S&T# 1031-73

OEL-133-73

MEMORANDUM FOR: Director of Computer Services

SUBJECT: Transfer of the [] Function to OEL

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1. OEL will be prepared to accept on 1 May 1973 the Agency responsibility, currently assigned to your Office, for digitizing signals. Although the total [] System is not needed to assume this function, most of the [] peripheral equipment will be needed to augment our current digitizing capability. It is expected that some assistance from OCS will be necessary during the transition period.

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2. As would be expected because of our limited programming staff and facilities, we cannot provide unique digitizing formats to meet the needs of each customer. Formats used in existing routines will not be changed; therefore, any re-formatting of data required to match user program input requirements would have to be accomplished on OCS computers. It would be most helpful if you could identify one of your programmers to work with the Analysis Division/OEL not only in determining the present degree of compatibility of current formats used, but also in interfacing with customers to provide whatever data format-changing services may be required after digitizing.

3. Those peripheral devices included in the [] System which are used for signal examination and conditioning will be needed by OEL. A list of this equipment is attached. The

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transfer of these items should be scheduled as soon as possible to permit their incorporation into the designated OEL digitizing position. Disposition of the [] main processor, memory, and console can probably be done most efficiently by your Office.

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4. Our ability to respond to digitizing requests is dependent on two factors: first, that the forecasted workload for digitizing will not appreciably exceed [] current workload of about two tapes per month; and second, that the 1600 bpi tape drives currently under 30-day test in OEL will be accepted. Without the new high-speed drives we are limited, for amplitude digitizing, to about 10,000 samples per second.

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5. As was indicated in our recent telephone conversation, the assumption of the [] function by OEL two months prior to the originally scheduled date should allow you a greater flexibility in your planning of other OCS moves.

JOHN N. McMAHON

JOHN N. McMAHON
Director of ELINT
DD/S&T

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Attachment:

[] System peripherals

cc: DD/S&T
DD/M&S

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System Peripherals to be Transferred to OEL Include:

1.	Krohn-Lite	3100R	Filter
2.	Krohn-Lite	3202R	Filter
3.	EMR	4140	Tunable Discriminator
4.	Honeywell	1806	Oscillograph
5.	H-P	222A	Pulse Generator
6.	Electrac	340E	Tracking Frequency Multiplier
7.	Two patch panels		
8.	TICOR II		Recorder w/Remote Control
9.	Wavetek	114	Waveform Generator
10.	Hyperion	HI 140	Time Code Reader
11.	SRL	245	Signal Modifier
12.	H-P	200	Audio Oscillator
13.	Tektronix	555	Oscilloscope
14.	Tektronix	RM564	Storage Oscilloscope
15.	Tektronix	RM561	Oscilloscope
16.	Hyperion		Time Search Unit
17.	Preston		12-bit A/D Converter

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